Fayol Inc. 0547824419

FIRST TERM WEEKLY LESSON NOTES WEEK 6

Maria Fault - 10 11	2022	DAY		C 1 2 4 C-1		
Week Ending: 10-11-2023		DAY:		Subject: Science		
Duration: 100mins	1			Strand: Cycles		
Class: B9		Class 9	Size:	Sub Strand: Life C	cycles of	Organisms
Content Standard: B9.2.2.1 Demonstrate an understanding of the life cycle of grasshopper and assess hitheir activities affect humans			Indicator: B9.2.2.1.1 Describe the life cycle of the grassh as a form of incomplete metamorphosis		opper	Lesson:
Performance Indicator: Learners can describe the life cycle of the grasdifferentiate between incomplete and complete			• •	Core Competencies: Critical Thinking and Problem Solving (CP), Communication and Collaboration (CC) Digital Literacy (DL), Creativity and Innovation		
References: Science Cu	ırriculum Pg. 91					
New words: Incomplete	e Metamorphos	is, Nyn	nph, Life Cycle, Complete	Metamorphosis		
Phase/Duration PHASE I: STARTER	Learners Activ		ide by side: one of a grass	hopper nymph and	Resour	rces
PHASE 2: NEW LEARNING	forms?" This sof metamorph Share learning Provide learner Guide learner egg to nymph at each stage.	g indicaters with to adult	to these two creatures groo intrigue learners about a cors and introduce the less a paper, pencils, and color twing the life cycle of the growing the life cycle of the progress to Emphasize the progress to European action of the cycles, initiate a class discount of the cycles of t	son. ing materials. grasshopper, from sion and differences	Picture	es and charts

	Encourage learners to share any personal observations or experiences they've had with grasshoppers.	
	Explain the concept of incomplete metamorphosis using the grasshopper as an example.	
	Contrast this with complete metamorphosis, using examples like the housefly and mosquito. Highlight key differences, such as the absence of a pupal stage in incomplete metamorphosis.	
	Facilitate a discussion on why these different life cycles might have evolved and the potential advantages of each.	
	 Assessment What are the three main stages of the grasshopper's life cycle? How does the behavior of a grasshopper nymph differ from that of an adult? What stage is missing in the grasshopper's life cycle that makes it "incomplete" metamorphosis? Can you name another insect that undergoes complete metamorphosis? 	
PHASE 3: REFLECTION	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.	
	Take feedback from learners and summarize the lesson.	

Week Ending: 03-11-2023		DAY:		Subject: Science		
Duration: 100mins				Strand: Cycles		
Class: B9		Class	Size:	Sub Strand: Life C	ycles of	Organisms
Content Standard: B9.2.2.1 Demonstrate an understanding of the life cycle of grasshopper and assess he their activities affect humans						Lesson: 2 of 2
Performance Indicator: Learners can describe the various activitie evaluate their effects (both beneficial and h			· · · · · · · · · · · · · · · · · · ·		boration	(CC) Digital
References: Science Cu	ırriculum Pg. 9	I				
New words: Grasshopp	per Activities, E	Beneficia	al, Harmful, Impact			
DI /D :						
Phase/Duration	Learners Act		1		Kesc	ources
PHASE I: STARTER	Show a short video clip or images of a swarm of locusts (a type of grasshopper) ravaging crops. Pair this with an image of a single grasshopper in a natural setting. Ask, "How can this small insect have such a massive impact?"					
DUACE 2 NEW			tors and introduce the		D: -	
PHASE 2: NEW LEARNING	Discuss the general behaviors and activities of grasshoppers in their natural habitats, emphasizing their diet, such as feeding on grasses and weeds.				char	ires and ts
		difference between solitary grasshoppers and custs to provide a broader context.				
	Divide learners into groups and assign each group either a beneficial or harmful activity of grasshoppers related to humans.					
	Each group conducts a brief research (using books, internet, etc.) to gather more details on their assigned topic.					
	For instance, one group could research how grasshoppers can serve as a food source in certain cultures (beneficial) while another could delve into their role in agricultural destruction (harmful).					
	Based on the research, each group will brainstorm and list down activities or strategies that either promote the beneficial impacts or reduce the harmful effects of grasshoppers on humans.					
	source, a gro	up migh ide, sug	gestions could include	rasshopper farming. On		

	Groups present their findings and suggested activities to the class. Facilitate a class discussion to consolidate learning and share different perspectives.			
	Assessment			
	I. What are some typical activities of grasshoppers in their natural environment?			
	2. Name one beneficial impact of grasshoppers on humans.			
	3. How can grasshoppers be harmful to human activities?			
	4. Suggest one activity or strategy to mitigate the negative effects of			
	grasshoppers on agriculture.			
PHASE 3:	Use peer discussion and effective questioning to find out from			
REFLECTION	learners what they have learnt during the lesson.			
	Take feedback from learners and summarize the lesson.			